


Form 1449

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2313-115SERIAL NO.  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
M	AA	3	9	6	1	0	9	7	6/01/76	Gravlee, Jr.			1c978 U.S. PTO 09/901121 07/10/01	
	AB	4	6	1	5	9	8	4	10/7/86	Stoker				
	AC	4	8	3	9	1	9	4	6/13/89	Malluche et al.				
	AD	4	8	9	1	2	3	9	1/02/90	Dudley et al.				
	AE	4	9	6	1	8	6	0	10/9/90	Masri				
	AF	5	0	8	9	2	8	8	2/18/92	Berger				
	AG	5	1	6	4	0	9	4	11/17/92	Stuckart				
	AH	5	8	5	3	9	9	4	12/29/98	Gopinathan et al.				
M	AI	6	0	8	6	8	2	1	7/11/00	Lee				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	<del>AJ</del>	<del>1</del>	<del>0</del>	<del>5</del>	<del>6</del>	<del>9</del>	<del>7</del>	<del>7</del>	<del>11/30/83</del>	<del>SU</del>			XX	

## NON-PATENT DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AK	<del>Arnett, G.E. and Low, F.N., "Ultrasonic Microdissection of Rat Cerebellum for Scanning Electron Microscopy", <i>Scanning Electron Microscopy</i> 1985; pp 247-255</del>												
M	AL	Beckstead, J.H., "A Simple Technique for Preservation of Fixation-sensitive Antigens in Paraffin-embedded Tissues", <i>Journal of Histochemistry and Cytochemistry</i> , 1994; 42(8):1127-1134												
M	AM	Boon, M.E., et al. "Microwave irradiation of human brain tissue: production of microscopic slides within one day", <i>J. Clin. Path.</i> , 1988; 41:590-593												
	AN	<del>Bosward, K.L., et al. "Heating of Guinea Pig Fetal Brain During Exposure to Pulsed Ultrasound", <i>Ultrasound in Med. &amp; Biol.</i>, 1993; 19(5):415-424</del>												

EXAMINER

DATE CONSIDERED

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NON-PATENT DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
	AO	<del>Botsman, N.E. and Bobrova, G.G., "An accelerated method of making histological preparations with the use of ultrasonics", <i>Arkh Patol.</i>, 1968; 30(1):72-75 (with 2 pp. translation and 1 p. PubMed)</del>			
M	AP	Chen, R., et al. "Ultrasound-Accelerated Immunoassay, as Exemplified by Enzyme Immunoassay of Choriogonadotropin", <i>Clinical Chemistry</i> , 1984; 30(9):1446-1450			
	AQ	Crouse, C., et al. "Extraction of DNA from Forensic-Type Sexual Assault Specimens Using Simple, Rapid Sonication Procedures", <i>BioTechniques</i> , 1993; 15(4):641, 642, 644, 646, 648 (missing pages are advertisements)			
	AR	<del>Drakhil, E. "Methods of using ultrasonics in a quick histological treatment of tissues", <i>Arkh Patol.</i>, 1967; 29(3):81-82 (with 2 pp. translation and 1 p. PubMed)</del>			
M	AS	Grundy, M.A., et al. "Increased sensitivity of diagnostic latex agglutination tests in an ultrasonic standing wave field", <i>Journal of Immunological Methods</i> , 1994; 176:169-177			
	AT	Jenkins, P., et al. "Detection of meningitis antigens in buffer and body fluids by ultrasound-enhanced particle agglutination", <i>Journal of Immunological Methods</i> , 1997; 205:191-200			
	AU	Jepras, R.I., et al. "Agglutination of <i>Legionella pneumophila</i> by antiserum is accelerated in an ultrasonic standing wave", <i>Journal of Immunological Methods</i> , 1989; 120:201-205			
	AV	King, J.A.C. and Hossler, F.E. "The gill arch of the striped bass, <i>Morone saxatilis</i> . III. Morphology of the basal lamina as revealed by various ultrasonic microdissection procedures", <i>J. Submicrosc. Cytol. Pathol.</i> , 1988; 20(2):371-377			
	AW	Kondo, T. et al. "Damage in DNA Irradiated with 1.2 MHz Ultrasound and Its Effect on Template Activity of DNA for RNA Synthesis", <i>Radiation Research</i> , 1985; 104:284-292			
	AX	Kost, J., et al. "Enhanced Protein Blotting from PhastGel Media to Membranes by Irradiation of Low-Intensity Ultrasound", <i>Analytical Biochemistry</i> , 1994; 216:27-32			
	AY	Leong, A.S-Y "Microwave Fixation and Rapid Processing in a Large Throughput Histopathology Laboratory", <i>Pathology</i> , 1991; 23:271-273			
M	AZ	Login, G.R., et al. "Rapid Microwave Fixation of Human Tissues for Light Microscopic Immunoperoxidase Identification of Diagnostically Useful Antigens", <i>Laboratory Investigation</i> , 1987; 57(5):585-591			
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	<del>AAA</del>	<del>Ma, Y. and Yeung, E.S. "Effect of Ultrasound on the Separation of DNA Fragments in Agarose Gel Electrophoresis", <i>Analytical Chemistry</i>, June 1, 1990, 62(11):1194-1196</del>		
<i>NY</i>	AAB	Matsuta, M., et al. "Applications of DNA Flow Cytometry and Fluorescence <i>In situ</i> Hybridization Using a Chromosome-specific DNA Probe on Paraffin-embedded Tissue Sections of Primary Malignant Melanomas", <i>Journal of Dermatology</i> , 1994; 21:14-19		
<i> </i>	AAC	Nishimura, R., et al. "Improved Lipid Visualization with a Modified Osmium Tetroxide Method Using Ultrasonic Treatment and Intensification with Imidazole or Triazole", <i>Biotechnic &amp; Histochemistry</i> , 1995; 70(1):28-32		
<i> </i>	AAD	Obertyshev, V.G. "Ultrasonic express paraffin handling of histological specimens", <i>Sud Med Ekspert</i> , 1987; 30(4):56-58 (with 2 pp. translation and 1 p. PubMed)		
<i>NY</i>	AAE	Podkletnova, I. and Alho, H. "Ultrasound-amplified Immunohistochemistry", <i>Journal of Histochemistry and Cytochemistry</i> , 1993; 41(1):51-56		
	<del>AAF</del>	<del>Polonyi, J., et al. "Glutaraldehyde Fixation of Animal Tissues for Electron Microscopy Accelerated by Ultrasound", <i>Bratisl. Lek. Listy.</i>, 1984; 81:566-573 (only the abstract is translated)</del>		
	<del>AAG</del>	<del>Rezenberg, V.D. "The Results and prospects of using ultrasound in pathohistological practice", <i>Arkh Patol</i>, 1991; 53(6):68-69 (with 2 pp. translation and 1 p. PubMed)</del>		
	<del>AAH</del>	<del>Shmurun, R.I. "Methods for the rapid preparation of paraffin blocks", <i>Arkh Patol</i>, 1992; 54(9):46-47 (with 2 pp. translation and 1 p. PubMed)</del>		
<i>NY</i>	AAI	Sinisterra, J.V. "Application of ultrasound to biotechnology: an overview", <i>Ultrasonics</i> , 1992; 30(3):180-185		
<i>NY</i>	AAJ	Williams, J.H., et al. "Tissue preparation for immunocytochemistry", <i>J. Clin. Pathol.</i> , 1997; 50:422-428		
	<del>AAK</del>	<del>Yasuda, K., et al. "Application of Ultrasound for Tissue Fixation: Combined Use with Microwave to Enhance the Effect of Chemical Fixation", <i>Acta Histochem. Cytochem.</i>, 1992; 25(1&amp;2):237-244</del>		
	<del>AAL</del>	<del>Yasuda, K. "Use of Ultrasound for Tissue Fixation", Proceedings of the Histochemical Society, Abstract 186, p. 1060</del>		
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